CUPN Water Quality Products

There are many ways to access CUPN Water Quality Monitoring Program data. Each park has at least one formal water quality report available. These reports provide a level of detail in both presentation and interpretation of results, but take time to produce. While these reports remain valid, and an excellent reference of monitoring strategy and site descriptions, it is the intention that the following data products will provide resource managers with needed information in a brief and rapid turn-around fashion.

These files will be updated at the conclusion of each fiscal year that water quality monitoring was active in each park. At any point during any sampling year these products (with exception of Water Quality Resource Brief) can be generated within minutes of a request to CUPN hydrologist or data manager (270-758-2162 or 270-758-2134).

1. **Water Quality Resource Brief** A simple synopsis of results of the year's water quality monitoring results, including list of state water quality standards, sample location map, overall water quality status, an interpretation of water quality standard violations (if any) and findings of interest, and a statement of the next scheduled water quality monitoring activity.
2. **Annual Water Quality Standards Analysis Report**   A list of water quality violations for the concluded year for all water quality parameters with assigned standards. This report displays the parameter, citation, units, number of observations, and the number of times and percentage of times a specific standard was exceeded.
3. **Google Earth KML** file that displays each water quality parameter with an assigned water quality standard for each sample location on a Google Earth projection. Each site is displayed graphically according to water body type, sample population, and percentage of times a particular water quality standard was violated. There are typically two KML files for each park; one representing the past year's data and one that includes the entire period of record for your park.

These data products are available upon request.

1. **Water Quality Results, Data and Graphs** Two MSExcel worksheets that summarize period of record results of each parameter for each sample location. The two files present the same data in two different graphic forms: Time Series graphs and Box and Whisker plots.
2. **Full data export** An MSExcel file of all data and metadata for all sites, all parameters over the period of record.